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(54) Title: METHOD FOR REFINING 2,6-NAPHTHALENE DICARBOXYLIC ACID

(57) Abstract: The present invention relates to a method for refining 2,6-naphthalene dicarboxylic acid, and particularly to a method for refining 2,6-naphthalene dicarboxylic acid comprising recrystallizing crude 2,6-naphthalene dicarboxylic acid in the form of an amine salt using a solvent comprising a protic polar solvent selected from the group consisting of an alcohol, water, and a mixture thereof, and an acetate. In accordance with the invention, 2,6-naphthalene dicarboxylic acid can be obtained with excellent purity and color, and at the same time, it can be obtained in an economical and environmentally friendly way because the acetate, which is a byproduct of the oxidation process, is used as a solvent.

WO 2004/013071 A3

## INTERNATIONAL SEARCH REPORT

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PCT/KR 03/00917-0

## CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup>: C07C 63/38, C07C 51/43

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: C07C 63/38, C07C 51/43

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN:CAS

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Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6291707 B1 (T. V. Lin) 18 September 2001 (18.09.2001) <i>column 8, line 7, 54-64, column 9, lines 43-45; claims.</i>	2-4,7
A		1,5,6
A	US 5344969 A1 (H. Iwane) 6 September 2001 (06.09.2001) <i>claims.</i>	2-4,7
A	WO 1998/012157 A2 (T.V. Lin) 26 March 1998 (26.03.1998) <i>page 4, line 11 - page 9; claims.</i>	2-5
A	EP 1055660 A1 (Mitsubishi Gas Chemical Company Inc.) 29 November 2000 (29.11.2000) <i>page 5, lines 35-47; claims.</i>	2-4,7
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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- „&“ document member of the same patent family

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	<p>Jiao, N. et al. Advances in synthesis and purification technology of 2,6-naphthalenedicarboxylic acid. Shihua Jishu Yu Yingyong 2002, 20(6), 410-416 (Ch). Columbus, OH, USA: Chemical abstracts, Vol. 138, No. 18, 5 May 2003 (05.05.2003), page 1010, column 2-page 1011, column 1, the abstract No. 273227u</p> <p>----</p>	1

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR 03/00917-0

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